

## CLAIMS

We claim:

- 1                   1.       A method of performing color correction on at least one image,  
2   said image comprised of a plurality of pixels, said method comprising:  
3                   accepting a first vector input from a first color adjustment pad, said first vector  
4                   input proportionally adjusting a color of pixels of a selected luminance value  
5                   in said image; and  
6                   adjusting a color of pixels with other luminance values in a manner proportional  
7                   to a difference between said selected luminance value and said other  
8                   luminance value.
- 1                   2.       The method of performing color correction on at least one image as  
2   claimed in claim 1 wherein said selected luminance value is a white luminance value.
- 1                   3.       The method of performing color correction on at least one image as  
2   claimed in claim 1 wherein said selected luminance value is a black luminance value.
- 1                   4.       The method of performing color correction on at least one image as  
2   claimed in claim 1 wherein said selected luminance value is a middle luminance value.

1                   5.       The method of performing color correction on at least one image as  
2 claimed in claim 1 wherein said manner proportional is constructed using a Bezier curve.

1                   6.       A method of performing color correction by adjusting luminance  
2 values of a set of pixels based on a luminance mapping relationship, the method  
3 comprising:  
4           a) receiving a user input for modifying luminance values of pixels;  
5           b) based on the user input, modifying the luminance mapping relationship for  
6 mapping luminance values; and  
7           c) using the modified luminance mapping relationship to map original luminance  
8 values of pixels to adjusted luminance values.

1                   7.       The method of claim 6, wherein a look up table specifies the  
2 luminance mapping relationship by identifying an output luminance value for each of a  
3 set of input luminance values, wherein modifying the luminance mapping relationship  
4 comprises modifying a set of output luminance values in the look up table based on the  
5 user input.

1                   8.       The method of claim 6, wherein an equation specifies the mapping  
2 relationship, and wherein modifying the mapping relationship comprises modifying the  
3 equation.

1                   9.       A method of performing color correction by adjusting chrominance  
2 values of a set of pixels based on a set of chrominance mapping relationships, the method  
3 comprising:

- 4           a) receiving a user input for modifying chrominance values of pixels;  
5           b) based on the user input, modifying the chrominance mapping relationship for  
6 mapping chrominance values; and  
7           c) using the modified chrominance mapping relationship to map original  
8 chrominance values of pixels to adjusted chrominance values.

1                   2.       The method of claim 9, wherein a look up table specifies the  
2 chrominance mapping relationship by identifying an output chrominance value for each  
3 of a set of input chrominance values, wherein modifying the chrominance mapping  
4 relationship comprises modifying a set of output chrominance values in the look up table  
5 based on the user input.

1                   3.       The method of claim 9, wherein an equation specifies the mapping  
2 relationship, and wherein modifying the mapping relationship comprises modifying the  
3 equation.